

Deploying an Artifact to Nexus Repository: Step-by-Step Guide

1. Prerequisites

Before you start, ensure the following:

- Nexus Repository is installed and running on your server.
- Maven is installed and configured on your system.
- Java is installed (required for Maven).
- You have network access to Nexus from your Maven system.

2. Configure Nexus for Deployment

Step 1: Log in to Nexus

1. Open Nexus in a browser: <http://<your-nexus-ip>:8081>
2. Log in with admin credentials.

Step 2: Create a Snapshot or Release Repository

1. Go to [Repositories](#) → [Create repository](#).
2. Select [maven2 \(hosted\)](#).
3. Set the repository name ([my-snapshot-repo](#) or [my-release-repo](#)).
4. Choose [Release](#) or [Snapshot](#) as per your need.
5. Save the repository.

3. Configure Maven to Use Nexus

Step 1: Update [settings.xml](#)

Edit the Maven [settings.xml](#) file ([/opt/apache/conf/setting.xml](#)):

```
<server>
  <id>nexus</id>
  <username>admin</username>
  <password>admin123</password>
</server>
```

Step 2: Update `pom.xml`

Edit your project's `pom.xml` to include the repository details:

```
<distributionManagement>
  <repository>
    <id>nexus</id>
    <url>http://<your-nexus-ip>:8081/repository/my-release-repo/</url>
  </repository>
  <snapshotRepository>
    <id>nexus</id>
    <url>http://<your-nexus-ip>:8081/repository/my-snapshot-repo/</url>
  </snapshotRepository>
</distributionManagement>
```

4. Deploy Artifact to Nexus

Maven deploy

5. Verify Deployment in Nexus

1. Open Nexus in a browser (<http://<your-nexus-ip>:8081>).
2. Go to [Repositories](#) → [Browse](#).
3. Select your repository ([my-snapshot-repo](#) or [my-release-repo](#)).
4. Ensure that the deployed artifact is listed.